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Bureau of Markets

FOOD SURVEYS

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ANNOUNCEMENT.—In accordance with the provisions contained in Section 2 of an Act of Congress (Public No. 40, 65th Congress) approved August 10, 1917, the Chief of the Bureau of Markets of the United States Department of Agriculture has been authorized and instructed, as an agent of the Secretary of Agriculture, to take such steps as may be necessary to obtain authoritative information regarding the matters authorized to be investigated under that section.

The Food Surveys Project has been established pursuant to Sections 2 and 8, of the Act, to obtain such information concerning food and food materials as may seem necessary or desirable for the guidance of governmental agencies and the public in

making plans for increasing production, for promoting efficient distribution, and for directing conservation and utilization.

The results of the surveys made under this Project will be published monthly in "Food Surveys," which will be mailed from Washington, D. C., between the fifteenth and twentieth of each month. Special numbers of "Food Surveys" will be issued from time to time as occasion may require. A copy may be obtained on application to "Food Surveys," Bureau of Markets, Room 229, Homer Building, Washington, D. C.

CHARLES J. BRAND, Chief, Bureau of Markets.

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COMMERCIAL STOCKS OF SUGAR AND RELATED PRODUCTS ON JULY 1, 1918

NOT INCLUDING RETAIL STOCKS.

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The commodities for which information is here presented include sugar, sirup, molasses, honey, candy, and food starches, the last-named term including tapioca, sago, cornstarch, etc.

The total quantities of these commodities on hand and in transit, as reported by manufacturers (including various classes of manufacturers using sugar and the other commodities as a material), storage houses, and wholesale dealers, were as follows: Sugar, 1,003,229,501 pounds; sirup, 31,845,327 gallons; molasses, 19,669,839 gallons; candy, 73,582,866 pounds; honey, 4,976,272 pounds; food starches, 77,833,435 pounds. The figures for goods in transit were obtained under the following instructions: "Report as in transit the total quantity which you have recently shipped and which you believe has not been delivered to the purchaser or consignee." The quantities of these commodities thus reported as in transit were as follows: Sugar, 83,105,724 pounds; sirup, 2,092,900 gallons; molasses, 584,438 gallons; honey, 358,774 pounds; candy, 4,706,378 pounds; food starches, 15,188,467 pounds.

The reports covering the retail stocks of these commodities for July 1, 1918, are now being tabulated and will be published later. Some idea of the relative importance of the retail holdings may be obtained from the Survey of January 1, 1918, in which it was found that the stocks in the hands of the retail dealers represented the following percentages of the total commercial stocks of the commodities considered: Sugar, 7.9 per cent; sirup, 37.4 per cent; molasses, 14.6 per cent; honey, 28.4 per cent; candy, 29.6 per cent; food starches, 22.7 per cent.

In the case of sugar, the commercial stocks here considered were only about two-thirds as large on the date of the Survey as the

corresponding stocks a year ago. The stocks of sirup and candy showed a slight increase, while the stocks of honey showed slight decrease as compared with the corresponding stocks of July 1, 1917. The stocks of molasses, on the other hand, were nearly twice as large on the date of the Survey as they were a year ago, and the stocks of food starches showed an increase of about one-fifth over the stocks of July 1, 1917. The holdings reported for July 1, 1918, by the classes of concerns here considered, represented the following percentages of those reported for July 1, 1917: Sugar, 66.4 per cent; sirup, 101.7 per cent; molasses, 192.3 per cent; honey, 98.8 per cent; candy, 103.4 per cent; food starches, 120.9 per cent.

Some of the most important figures relative to the commodities in this group are presented in summary form in the following table:

Table 1.—Summary of United States totals—Commercial stocks of sugar, sirup, molasses, honey, candy, and food starches, not including retail stocks.

COMMODITY.	Total stocks reported as on hand July 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.		
Sugar (lbs.)-----	920,123,777	594,715,800	66.4	895,733,162	83,105,724
Sirup (gals.)-----	29,752,427	21,181,937	101.7	20,827,262	2,092,900
Molasses (gals.)----	19,085,401	17,535,711	192.3	9,117,420	584,438
Honey (lbs.)-----	4,617,498	2,925,185	98.8	2,961,782	358,774
Candy (lbs.)-----	68,876,488	55,267,911	103.4	53,428,504	4,706,378
Food starches (tapi- oca, sago, corn- starch, etc.) (lbs.)	62,644,968	53,177,541	120.9	43,970,811	15,188,467

COMMERCIAL STOCKS OF SUGAR NOT INCLUDING RETAIL STOCKS.

The stocks of sugar, together with the quantities in transit, as reported in the Food Survey of July 1, 1918, by commercial concerns other than retail dealers, amounted to 1,003,229,501 pounds, comprising 920,123,777 pounds in stock and 83,105,724 pounds in transit. Of the stocks reported as actually on hand, the manufacturers held 53.3 per cent; the warehouses, 6.2 per cent; the wholesale dealers, 26.2 per cent; the bakers, 3.0 per cent; the confectioners (manufacturing and wholesale), 2.4 per cent; and a miscellaneous group of firms, 8.9 per cent. The stocks reported as on hand by each of these classes of business, as well as by various sub-divisions of some of the classes, are given in the first column of Table 2, while the quantity of sugar reported as in transit is shown in the last column of the same table. The relative stocks of sugar held by the classes of concerns above enumerated are shown in graphic form in Diagram 1.

The number of schedules received and tabulated for sugar is shown in Table 3.

Table 2.—Stocks of sugar reported for July 1, 1918, by manufacturers, storage houses, and wholesale dealers, with comparative figures for July 1, 1917—United States totals.

CLASS OF BUSINESS.	Total stocks reported as on hand July 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.		
Total	Pounds. 920,123,777	Pounds. 594,715,800	66.4	Pounds. 895,733,162	Pounds. 83,105,724
Manufacturers.	490,012,618	226,010,668	66.9	338,080,689	56,717,077
Cane sugar mills and refineries	402,328,753	139,441,303	63.3	220,380,640	50,621,477
Beet sugar mills	87,683,865	86,569,365	73.6	117,700,049	6,095,600
Warehouses.	57,411,240	47,524,913	30.5	155,899,644	102,400
Wholesale dealers.	240,985,897	203,036,473	71.6	283,722,758	13,133,241
Wholesale grocers	202,145,231	165,736,438	75.7	218,818,108	11,049,870
Other wholesale dealers	38,840,666	37,300,035	57.5	64,904,650	2,083,371
Bakers.	27,659,447	25,732,992	92.9	27,695,420	9,501
Confectioners.	22,119,393	19,767,663	68.5	28,871,789	52,456
Miscellaneous.	81,935,182	72,643,091	118.2	61,462,862	13,091,049
Canners	21,357,186	15,543,608	100.8	15,424,568	29,710
Milk condensaries	9,344,006	8,977,292	266.7	3,960,533	113,500
Brewers	6,170,520	5,948,228	95.8	6,212,007	87,863
Manufacturers of preserves	5,321,378	4,679,734	106.9	4,378,087	122,857
Other miscellaneous	39,542,092	37,494,229	119.1	31,887,667	12,737,119

Diagram 1.—Distribution of Total Stocks of Sugar Reported for July 1, 1918, by Manufacturers, Storage Houses, and Wholesale Dealers.

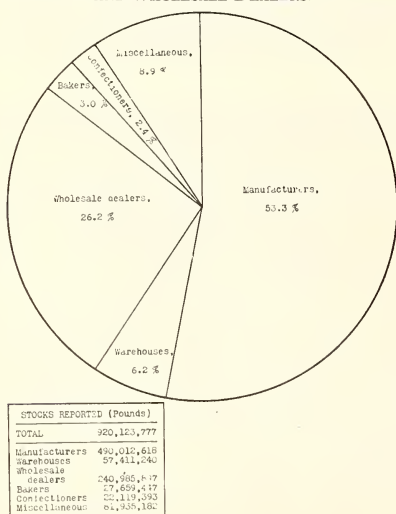


Table 3.—Number of firms (manufacturers, storage houses, and wholesale dealers) reporting sugar.

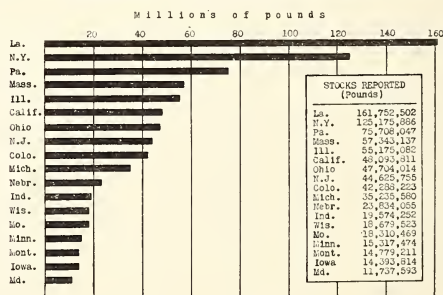
CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total -----	12,736	9,956
Manufacturers-----	116	81
Cane sugar mills and refineries-----	73	41
Beet sugar mills-----	43	40
Warehouses-----	261	196
Wholesale dealers-----	4,684	3,810
Wholesale grocers-----	3,846	3,155
Other wholesale dealers-----	838	655
Bakers-----	4,142	3,053
Confectioners-----	1,135	929
Miscellaneous-----	2,398	1,887
Canners-----	334	266
Milk condensaries-----	78	65
Brewers-----	270	240
Manufacturers of preserves-----	101	78
Other miscellaneous-----	1,615	1,238

Geographic Distribution of Stocks Reported.

The geographic distribution of the stocks of sugar reported by the classes of concerns here considered is shown in Table 4. These figures indicate that more than one-fourth of the stocks of sugar on hand, as reported in the Survey, were found in the states of the Middle Atlantic division, the East North Central division ranking second in stocks reported, and the West South Central division third. These three divisions together reported over 550,000,000 pounds, or more than five-ninths of the holdings reported for the entire country. Turning to the figures for individual states, it will be seen that Louisiana ranked first in stocks reported, New York second, Pennsylvania third, Massachusetts fourth, and Illinois fifth. The table further shows that the stocks reported from Louisiana were very largely in the hands of the cane sugar mills and refineries, while the same class of firms also held more than three-fifths of those reported for the state of New York. The stocks of sugar reported for the eighteen most important states are represented graphically in Diagram 2.

The quantities reported as in transit are given by geographic divisions and states in the last column of Table 4.

Diagram 2.—Stocks of Sugar Reported by Manufacturers, Storage Houses, and Wholesale Dealers for the Eighteen Most Important States.



Comparative Figures for 1918 and 1917.

Nearly two-thirds of the returns, based on the quantity reported gave information for July 1, 1917, as well as for July 1, 1918. Comparative figures based on these two-year reports are given by classes of business in Table 2, and by geographic divisions and states in Table 5. These figures indicate that while the stocks reported by the miscellaneous group of firms for the date of the Survey were considerably larger than those held one year earlier, the more important classes of firms reported materially smaller holdings for July 1, 1918, than for July 1, 1917. The total stocks reported for the date of the Survey were equal to only 66.4 per cent of the corresponding stocks on July 1, 1917. The relative stocks on hand on the two dates are represented in graphic form for manufacturers, warehouses, wholesale dealers, bakers, and confectioners in Diagram 3.

Table 4.—Stocks of sugar reported for July 1, 1918, by manufacturers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	Total stocks reported as on hand July 1, 1918.	MANUFACTURERS.					WHOLESALE DEALERS.					Bakers.	Confec- tioners.	Miscella- neous.	Quantity reported as in transit on July 1, 1918.
		Total.	Cane sugar mills and refineries.	Beet sugar mills.	Ware- houses.	Total.	Wholesale grocers.	Other wholesale dealers.							
U. S.	Pounds. 920,123,777	Pounds. 490,012,618	Pounds. 402,328,753	Pounds. 87,683,865	Pounds. 57,411,240	Pounds. 240,985,897	Pounds. 202,145,231	Pounds. 38,840,666	Pounds. 27,659,447	Pounds. 22,119,393	Pounds. 81,935,182	Pounds. 83,105,724			
GEOG. DIVS.:															
New Eng.	66,425,414	41,320,602	41,320,602	-----	8,889,622	7,152,010	5,791,927	1,360,083	2,239,644	935,473	5,888,063	1,323,267			
Middle Atl.	245,509,688	165,901,037	165,901,037	-----	4,522,971	39,033,062	35,397,515	3,637,547	8,733,001	4,129,862	23,187,755	33,405,688			
E. N. Cent.	176,368,451	10,994,078	10,742,278	251,800	21,091,036	97,553,795	78,350,827	19,202,968	6,665,951	10,184,263	29,879,328	3,097,451			
W. N. Cent.	80,052,917	17,322,270	580,570	16,741,700	6,909,202	42,691,567	36,787,759	5,903,808	4,637,259	3,457,010	5,015,609	3,443,468			
South Atl.	38,529,372	7,183,980	7,183,980	-----	5,305,216	19,627,239	14,457,872	5,169,397	2,315,298	1,432,051	2,665,588	5,820,696			
E. S. Cent.	15,625,084	33,000	-----	-----	333,248	11,391,131	9,743,105	1,618,025	592,646	1,044,886	2,258,173	1,014,490			
W. S. Cent.	170,147,771	152,203,505	152,203,505	-----	7,871,290	7,652,124	6,450,954	1,201,170	1,215,574	260,012	945,266	6,578,877			
Mountain	73,656,214	62,802,740	-----	62,802,740	862,805	8,789,724	8,574,514	215,210	381,861	400,153	418,931	4,754,370			
Pacific	53,810,866	32,251,406	24,363,781	7,887,625	1,625,850	7,123,245	6,590,757	532,488	858,213	275,683	11,676,469	23,667,408			
NEW ENG.:															
Me.	1,770,904	-----	-----	-----	198,880	448,391	372,747	75,644	97,949	56,294	969,390	84,069			
N. H.	452,159	-----	-----	-----	-----	377,515	377,080	435	40,142	1,700	32,802	66,966			
Vt.	1,920,618	-----	-----	-----	-----	472,267	331,259	141,008	41,836	84,917	1,321,598	29,355			
Conn.	57,343,137	41,320,602	41,320,602	-----	7,963,922	3,324,808	2,660,513	664,295	1,602,524	624,373	2,506,908	1,072,917			
Rt.	1,381,237	-----	-----	-----	353,757	299,730	267,021	32,709	107,312	79,803	540,635	1,748			
Mass.	3,557,359	-----	-----	-----	373,063	2,229,299	1,783,307	445,992	349,881	88,386	516,730	68,212			
MIDDLE ATL.:															
N. Y.	125,175,886	78,597,597	78,597,597	-----	3,499,117	18,902,097	17,429,523	1,472,574	5,618,626	2,673,395	15,885,054	29,792,702			
N. J.	44,625,735	38,405,828	38,405,828	-----	191,694	2,604,869	2,136,934	467,935	444,599	253,487	2,725,278	8,106			
Pa.	75,708,047	48,897,612	48,897,612	-----	832,160	17,528,096	15,831,058	1,697,038	2,669,776	1,202,980	4,577,423	3,604,880			
E. N. CENT.:															
Ohio	47,704,014	1,336,979	1,336,979	-----	5,846,555	31,140,048	23,538,268	7,601,780	1,943,910	2,469,698	4,966,824	823,335			
Ind.	19,574,252	1,555,017	1,546,417	8,600	2,203,141	10,803,830	9,416,694	1,387,136	1,161,633	770,057	3,080,574	458,323			
Ill.	55,175,082	1,039,627	1,039,627	-----	11,438,779	22,010,766	15,762,586	6,248,180	1,814,498	4,884,115	13,987,267	785,249			
Mich.	35,235,580	2,048,445	1,805,245	243,200	1,148,625	24,439,146	23,879,999	559,147	1,192,125	825,669	5,581,570	792,986			
Wis.	18,679,323	5,014,010	5,014,010	-----	453,936	9,160,005	7,553,280	3,406,725	553,785	1,234,694	2,263,093	237,558			
W. N. CENT.:															
Minn.	15,317,474	440,436	440,436	-----	2,224,138	8,892,536	8,035,067	857,469	472,480	982,815	2,305,069	198,308			
Iowa	14,393,814	200	200	-----	393,100	10,985,467	9,854,006	1,131,461	909,154	630,913	1,474,980	346,126			
Mo.	18,310,469	139,934	139,934	-----	2,840,162	10,416,638	9,919,826	496,812	2,807,600	1,304,430	801,705	563,801			
N. D.	1,541,088	-----	-----	-----	-----	1,453,995	1,453,995	-----	12,207	67,950	6,936	78,580			
S. D.	1,639,376	-----	-----	-----	-----	1,472,423	1,472,423	-----	12,429	139,959	14,565	800			
Nebr.	23,834,055	16,741,700	-----	16,741,700	1,317,307	4,911,624	3,502,951	1,408,673	349,112	267,810	246,502	1,594,100			
Kan.	5,016,641	-----	-----	-----	134,495	4,558,884	2,549,491	2,009,393	94,277	63,133	165,852	661,483			
SOUTH ATL.:															
Del.	487,347	-----	-----	-----	-----	129,850	121,690	8,160	25,447	7,273	324,777	11,500			
Md.	11,737,593	-----	-----	-----	4,682,082	3,650,477	2,563,448	1,087,030	1,168,669	916,833	1,319,531	145,426			
D. C.	2,671,705	-----	-----	-----	289,015	1,936,075	1,542,066	394,009	225,029	56,718	164,868	-----			
Va.	7,728,082	518,900	518,900	-----	197,050	5,968,602	4,143,031	1,825,571	353,671	211,958	478,501	315,579			
W. Va.	4,071,126	-----	-----	-----	80,000	3,498,668	3,264,532	234,136	91,732	167,150	232,576	297,026			
N. C.	1,941,713	349,849	349,849	-----	7,656	1,400,441	869,995	530,446	48,863	35,580	98,924	67,677			
S. C.	1,560,413	225,823	225,823	-----	6,550	1,300,964	462,836	838,128	3,822	17,600	5,654	214,200			
Ga.	6,897,699	5,656,761	5,656,761	-----	42,863	847,879	691,283	156,596	322,854	13,089	14,253	4,599,150			
Fla.	1,433,094	432,647	432,647	-----	-----	894,282	798,991	95,291	75,211	5,450	25,504	170,138			
E. S. CENT.:															
Ky.	8,092,274	33,000	33,000	-----	273,686	5,212,265	4,326,806	885,459	241,042	320,338	2,011,949	557,593			
Tenn.	3,705,666	-----	-----	-----	32,800	2,909,204	2,279,926	629,278	211,526	350,853	201,283	187,207			
Ala.	3,429,000	-----	-----	-----	26,768	2,886,903	2,787,921	98,982	132,573	340,216	42,540	230,130			
Miss.	396,144	-----	-----	-----	-----	352,759	348,453	4,306	7,505	33,479	2,401	39,569			
W. S. CENT.:															
Ark.	1,648,955	-----	-----	-----	-----	1,568,397	1,394,226	174,171	14,206	14,420	51,932	22,980			
La.	161,752,592	152,201,755	152,201,755	-----	7,471,490	1,674,345	719,698	954,647	130,775	49,935	224,202	6,172,726			
Okl.	2,523,321	-----	-----	-----	306,400	1,640,598	1,634,056	6,542	180,788	6,175	389,360	169,100			
Texas	4,222,993	1,750	1,750	-----	93,400	2,768,784	2,702,974	65,810	889,805	189,482	279,772	214,071			
MOUNTAIN:															
Montana	14,779,211	13,220,000	-----	13,220,000	-----	1,408,231	1,398,131	10,100	95,572	3,175	52,233	67,340			
Idaho	2,812,293	1,740,940	-----	1,740,940	58,450	996,618	994,574	2,044	4,647	1,645	9,993	28,020			
Wyo.	3,434,122	2,838,200	-----	2,838,200	-----	591,034	591,034	-----	3,438	650	800	17,460			
Colo.	42,288,223	39,105,000	-----	39,105,000	343,800	2,242,171	2,074,023	168,148	198,235	182,483	216,534	4,538,801			
N. M.	1,383,630	-----	-----	-----	600	1,378,049	1,377,049	1,000	2,771	1,480	160	41,909			
Ariz.	1,348,910	-----	-----	-----	410,055	922,329	895,646	26,683	8,126	3,150	3,250	35,700			
Utah	7,522,187	5,846,400	-----	5,846,400	49,900	1,216,141	1,208,906	7,235	67,995	207,570	134,181	22,000			
Nevada	90,208	52,200	-----	52,200	-----	35,151	35,151	-----	1,077	-----	1,780	3,149			
PACIFIC:															
Wash.	4,492,928	-----	-----	-----	514,400	2,725,234	2,584,183	141,051	356,384	96,169	800,741	221,651			
Ore.	1,224,127	-----	-----	-----	48,340	627,201	592,101	35,100	110,805	55,623	382,158	81,030			
Calif.	48,093,811	32,251,406	24,363,781	7,887,625	1,063,110	3,770,810	3,414,473	356,337	391,024	123,891	10,493,570	23,364,727			

DIAGRAM 3.—STOCKS OF SUGAR REPORTED FOR JULY 1, 1918, AND JULY 1, 1917, BY IMPORTANT CLASSES OF BUSINESS.

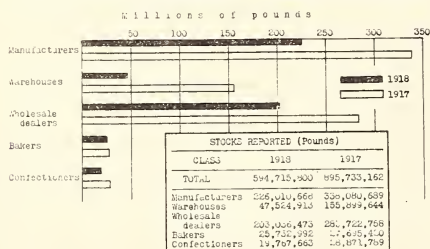


Table 5.—Comparative figures for sugar—combined stocks of manufacturers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	Stocks reported for July 1, 1918.	Stocks reported for July 1, 1917.
	Pounds.	Pounds.
United States	594,715,800	895,733,162
GEOGRAPHIC DIVISIONS:		
New England	32,111,514	49,433,828
Middle Atlantic	121,148,291	268,465,899
East North Central	138,502,109	136,218,969
West North Central	75,309,788	99,363,142
South Atlantic	25,136,792	34,240,551
East South Central	14,549,368	24,455,209
West South Central	70,964,308	87,105,238
Mountain	71,403,188	96,713,483
Pacific	45,690,442	99,736,843
NEW ENGLAND:		
Maine	1,502,390	1,789,301
New Hampshire	378,452	612,312
Vermont	1,742,067	1,665,261
Massachusetts	24,920,012	41,449,784
Rhode Island	935,764	1,143,541
Connecticut	2,632,829	2,773,629
MIDDLE ATLANTIC:		
New York	64,274,315	197,816,250
New Jersey	11,290,585	16,848,118
Pennsylvania	45,583,391	53,801,531
EAST NORTH CENTRAL:		
Ohio	40,866,937	39,252,824
Indiana	13,839,597	15,780,050
Illinois	49,428,614	52,960,305
Michigan	23,623,856	17,943,065
Wisconsin	10,743,105	10,282,725
WEST NORTH CENTRAL:		
Minnesota	13,983,356	15,158,407
Iowa	13,535,663	17,122,497
Missouri	16,834,184	20,661,085
North Dakota	1,529,585	1,504,498
South Dakota	1,549,336	1,337,511
Nebraska	23,069,343	28,911,158
Kansas	4,704,321	8,664,086
SOUTH ATLANTIC:		
Delaware	442,860	143,527
Maryland	9,599,393	11,065,269
District of Columbia	2,253,256	1,501,268
Virginia	5,692,659	5,181,970
West Virginia	8,870,829	4,038,065
North Carolina	1,144,463	1,464,068
South Carolina	1,214,549	2,712,662
Georgia	1,032,557	5,549,159
Florida	885,932	2,584,563
EAST SOUTH CENTRAL:		
Kentucky	7,668,887	9,092,078
Tennessee	3,185,306	6,308,855
Alabama	3,345,393	7,426,724
Mississippi	3,107,782	1,627,552
WEST SOUTH CENTRAL:		
Arkansas	1,364,168	4,838,780
Louisiana	64,361,352	64,674,911
Oklahoma	1,637,130	4,391,729
Texas	3,601,658	13,139,818
MOUNTAIN:		
Montana	13,776,538	10,790,422
Idaho	2,745,166	4,916,428
Wyoming	3,287,372	3,186,452
Colorado	41,812,893	60,372,683
New Mexico	1,181,717	1,200,217
Arizona	1,052,262	2,084,163
Utah	7,417,142	13,884,955
Nevada	90,098	278,163
PACIFIC:		
Washington	3,685,688	4,458,686
Oregon	1,050,778	3,412,920
California	40,953,976	91,865,237

COMMERCIAL STOCKS OF SIRUP

NOT INCLUDING RETAIL STOCKS.

The commercial stocks of sirup, together with the quantities in transit, as reported in the Food Survey of July 1, 1918, by all classes of commercial concerns except retail dealers, amounted to 31,845,327 gallons. Of this amount, 29,752,427 gallons were reported as stocks on hand and 2,092,900 gallons as in transit. Of the stocks on hand on the date of the Survey, the cane sugar mills and refineries held 20.7 per cent; the warehouses, 4.5 per cent; the wholesale dealers, 45.0 per cent; the bakers, 2.1 per cent; the confectioners (manufacturing and wholesale), 13.4 per cent; and a miscellaneous group of firms, 14.3 per cent. The stocks reported as on hand are given, by classes of business concerns, in the first column of Table 6, and the quantities reported as in transit in the last column. The relative stocks reported by the classes of concerns here considered are shown in graphic form in Diagram 4.

The number of reports received and tabulated for sirup is shown, by classes of business, in Table 8.

Table 6.—Stocks of sirup reported for July 1, 1918, by manufacturers, storage houses, and wholesale dealers, with comparative figures for July 1, 1917—United States totals.

CLASS OF BUSINESS.	Total stocks reported as on hand July 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.		
Total	Gallons. 29,752,427	Gallons. 21,181,937	101.7	Gallons. 20,827,262	Gallons. 2,092,900
Cane sugar mills and refineries	6,143,921	1,476,045	100.2	1,473,704	13,214
Warehouses	1,338,009	660,130	72.3	912,562	2,378
Wholesale dealers	13,400,688	11,222,862	94.6	11,869,016	292,903
Wholesale grocers	12,005,193	10,190,734	94.5	10,787,774	221,775
Other wholesale dealers	1,395,495	1,032,128	95.5	1,081,242	71,128
Bakers	622,959	547,082	152.3	359,297	731
Confectioners	4,001,494	3,293,800	123.6	2,664,701	12,370
Miscellaneous	4,245,356	3,982,018	112.2	3,547,982	1,771,304
Cornstarch manu- facturers	763,913	763,913	209.6	367,599	14,323
Canners	730,443	689,626	70.3	981,223	14,323
Other miscellaneous	2,751,000	2,528,679	114.8	2,202,230	1,757,081

DIAGRAM 4.—DISTRIBUTION OF TOTAL STOCKS OF SIRUP REPORTED FOR JULY 1, 1918, BY MANUFACTURERS, STORAGE HOUSES, AND WHOLESALE DEALERS.

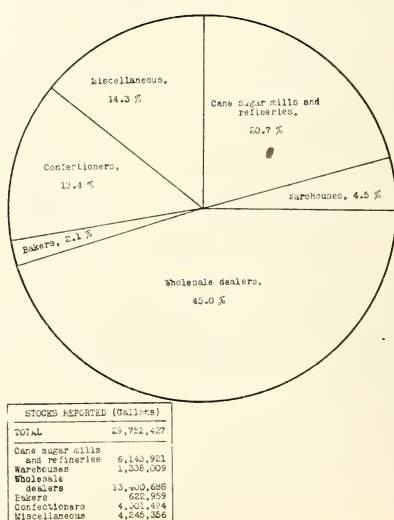


Table 7.—Stocks of sirup reported for July 1, 1918, by manufacturers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	Total stocks reported as on hand July 1, 1918.	Cane sugar mills and refineries.	Ware-houses.	WHOLESALE DEALERS.			Bakers.	Confectioners.	Miscellaneous.	Quantity reported as in transit on July 1, 1918.
				Total.	Wholesale grocers.	Other wholesale dealers.				
United States	Gallons. 29,752,427	Gallons. 6,143,921	Gallons. 1,338,009	Gallons. 13,400,688	Gallons. 12,005,193	Gallons. 1,395,495	Gallons. 622,959	Gallons. 4,001,494	Gallons. 4,245,356	Gallons. 2,092,900
GEOGRAPHIC DIVISIONS:										
New England	1,984,556	481,686	91,263	620,764	532,323	88,441	89,202	302,326	390,315	30,227
Middle Atlantic	8,554,263	4,800,013	613,050	1,398,933	1,184,750	214,183	73,504	1,172,771	495,992	1,216,194
East North Central	6,636,018	317,630	317,630	2,849,637	2,691,576	158,061	146,657	1,646,239	1,675,855	199,401
West North Central	1,783,482	22,023	32,924	1,020,347	925,687	94,660	89,774	359,358	259,036	399,802
South Atlantic	2,613,888	34,320	105,443	2,072,997	1,841,570	231,427	64,320	154,631	212,177	20,814
East South Central	2,257,846	1,000	6,804	1,385,728	1,471,879	113,849	18,049	103,063	482,112	25,424
West South Central	4,360,123	804,879	96,276	2,786,025	2,465,714	320,311	23,213	44,992	604,538	191,055
Mountain	694,743	32,399	600,950	581,232	581,232	19,728	9,171	43,865	8,348	2,798
Pacific	837,508		42,130	465,297	310,462	154,835	109,069	114,349	106,663	7,185
NEW ENGLAND:										
Maine	217,824		40,116	93,965	87,746	6,219	1,764	60,367	21,612	2,036
New Hampshire	100,844			98,947	94,922	4,025	1,203	132	562	91
Vermont	96,701			16,646	13,561	3,085	433	25,158	54,464	21,608
Massachusetts	1,324,785	481,686	35,120	313,102	247,590	65,512	73,212	107,042	248,623	6,501
Rhode Island	68,095		16,027	33,944	26,180	7,764	3,805	9,415	4,844	10
Connecticut	176,307			64,160	62,324	1,836	2,725	40,212	69,210	8
MIDDLE ATLANTIC:										
New York	3,983,188	1,738,785	404,765	799,784	644,508	155,276	43,562	712,454	283,838	1,163,976
New Jersey	617,729	467,698	132	60,203	57,459	2,744	1,775	18,103	69,818	19,271
Pennsylvania	3,953,346	2,593,530	208,153	538,946	482,783	56,163	28,167	442,214	142,336	32,947
EAST NORTH CENTRAL:										
Indiana	2,148,377		188,523	1,109,256	1,081,326	27,930	84,539	374,475	391,584	4,869
Illinois	620,649		22,220	287,468	275,965	11,503	10,793	138,812	161,356	80,448
Michigan	2,878,914		72,390	1,111,007	1,030,225	80,782	21,465	691,757	982,295	45,574
Wisconsin	400,162		23,346	238,156	213,162	24,994	21,458	77,945	39,257	2,034
	587,916		11,151	103,750	90,898	12,852	8,402	363,250	101,363	66,476
WEST NORTH CENTRAL:										
Minnesota	423,380		11,303	289,854	270,933	9,921	10,408	76,501	35,314	16,318
Iowa	344,772	2,023	221	132,678	115,161	17,517	13,274	158,253	38,323	356,480
Missouri	506,249		20,423	252,508	243,306	9,202	37,465	72,687	123,166	17,593
Nebraska	76,283			60,520	58,600	1,920	7,108	8,619	36	1,483
South Dakota	38,042			22,398	15,460	6,938	25	12,070	4,449	30
Nebraska	151,525	20,000	968	89,436	48,607	40,829	18,091	18,177	4,853	1,145
Kansas	242,331		9	172,953	164,620	8,333	3,403	13,051	52,915	6,753
SOUTH ATLANTIC:										
Delaware	13,819			10,440	10,428	12		3,119	260	265
Maryland	311,847		49,971	93,583	91,777	1,806	10,003	78,130	80,166	5,635
District of Columbia	58,421		2,549	33,902	33,902			3,774	15,588	
Virginia	478,884		35,146	323,980	307,706	16,274	12,556	55,017	52,185	4,812
West Virginia	214,730			205,925	162,350	43,575	624	5,375	2,806	2,361
North Carolina	279,475			274,488	265,428	9,060	1,292	3,487	208	840
South Carolina	367,038		4,783	358,700	289,620	69,080	15	3,450	90	555
Georgia	679,621	34,320	9,384	553,497	493,372	60,125	20,679	1,689	60,052	5,159
Florida	240,053		3,610	218,482	186,987	31,495	16,543	590	828	1,187
EAST SOUTH CENTRAL:										
Kentucky	454,000	1,000		393,468	374,339	19,129	3,020	20,891	35,621	5,169
Tennessee	796,277		6,894	589,860	574,912	14,948	10,917	102,622	85,984	6,433
Alabama	713,692			343,247	322,173	21,074	3,591	32,945	333,909	13,008
Mississippi	293,577			259,153	200,455	58,698	521	6,605	27,598	814
WEST SOUTH CENTRAL:										
Arkansas	560,030			557,202	532,046	25,156	1,184	632	1,012	3,541
Louisiana	1,919,927	804,119	58,739	502,377	391,102	111,275	2,060	1,375	543,257	130,216
Oklahoma	379,285		10,518	352,954	299,527	53,427	7,498	603	7,712	31,662
Texas	1,508,881	760	27,019	1,373,492	1,243,039	130,453	12,471	42,282	52,857	25,336
MOUNTAIN:										
Montana	66,402		3,426	57,799	55,671	2,128	2,705	2,390	82	264
Idaho	143,553		1,185	138,798	138,798	3,213		507	55	265
Wyoming	25,987			25,622	25,622		15	350		74
Colorado	123,668		7,401	95,947	91,972	3,975	4,165	13,224	2,931	1,365
New Mexico	132,873		454	131,933	131,535	398	30	456		313
Arizona	58,604			56,696	55,497	1,199	225	1,510	173	40
Utah	139,372		19,933	86,978	78,163	8,815	1,936	25,428	5,097	450
Nevada	3,984			3,974	3,974				10	27
PACIFIC:										
Washington	360,963		134	201,493	56,687	144,806	89,584	51,715	18,037	1,586
Oregon	95,994		32,714	43,940	40,311	3,629	6,829	7,500	3,011	3,784
California	380,551		9,282	219,864	213,464	6,400	12,656	55,134	83,615	1,815

Table 8.—Number of firms (manufacturers, storage houses, and wholesale dealers) reporting sirup.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	7,232	5,425
Cane sugar mills and refineries.....	25	14
Warehouses.....	164	84
Wholesale dealers.....	4,373	3,421
Wholesale grocers.....	3,672	2,931
Other wholesale dealers.....	701	490
Bakers.....	990	648
Confectioners.....	888	709
Miscellaneous.....	792	549
Cornstarch manufacturers.....	5	5
Canners.....	29	24
Other miscellaneous.....	758	520

DIAGRAM 6.—STOCKS OF SIRUP REPORTED FOR JULY 1, 1918, AND JULY 1, 1917, BY IMPORTANT CLASSES OF BUSINESS.

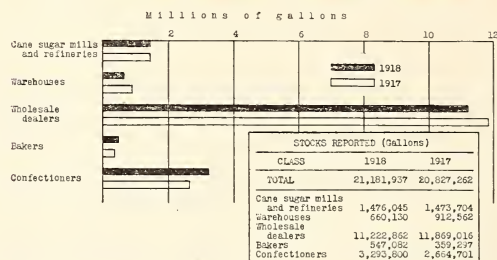
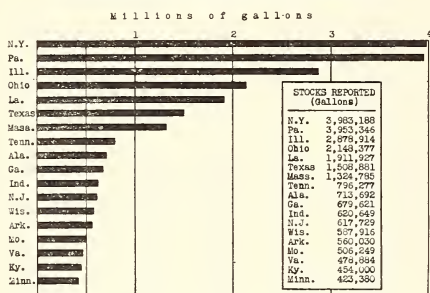


Table 9.—Comparative figures for sirup—combined stocks of manufacturers, storage houses, and wholesale dealers, by geographic divisions and states.

DIAGRAM 5.—STOCKS OF SIRUP REPORTED BY MANUFACTURERS, STORAGE HOUSES, AND WHOLESALE DEALERS, FOR THE EIGHTEEN MOST IMPORTANT STATES.



Geographic Distribution of Stocks Reported.

The holdings of each of the classes of business concerns here considered are shown by geographic divisions and states in Table 7. The Middle Atlantic division, it will be noticed, ranked first in stocks of sirup reported, with the East North Central division second, and the West South Central division third. Among the individual states, New York ranked first and Pennsylvania second, each of these states reporting stocks on hand amounting to almost 4,000,000 gallons of sirup. Illinois ranked third in stocks reported, Ohio fourth, and Louisiana fifth. The holdings reported for the eighteen most important states are represented in graphic form in Diagram 5.

The quantity reported as in transit is shown by geographic divisions and states in the last column of Table 7.

Comparative Figures for 1918 and 1917.

About seven-tenths of the returns, based on the quantity reported, gave information for July 1, 1917, as well as for July 1, 1918. Comparative figures based on these two-year reports are given by classes of firms in Table 6, and by geographic divisions and states in Table 9. These figures indicate that the cane sugar mills and refineries held approximately the same amount of sugar on the date of the Survey that they held one year earlier, while the bakers, the confectioners, and the miscellaneous group of concerns showed an increase in stocks on hand on the date of the Survey as compared with those held a year ago. The warehouses and the wholesale dealers, on the other hand, reported decreased stocks for July 1, 1918, as compared with those of July 1, 1917. The total stocks reported as on hand on the date of the Survey were 1.7 per cent larger than the stocks on hand one year earlier. The relative stocks on the two dates are shown in graphic form, for each class of concerns here considered except the miscellaneous group, in Diagram 6

GEOGRAPHIC DIVISION AND STATE.	Stocks reported for July 1, 1918.	Stocks reported for July 1, 1917.
United States	Gallons. 21,181,937	Gallons. 20,627,262
GEOGRAPHIC DIVISIONS:		
New England.....	1,205,462	962,582
Middle Atlantic.....	4,290,432	3,842,015
East North Central.....	5,826,761	4,343,859
West North Central.....	1,552,050	2,446,061
South Atlantic.....	2,003,255	1,925,684
East South Central.....	2,023,413	1,455,817
West South Central.....	3,110,899	4,408,125
Mountain.....	575,532	795,674
Pacific.....	570,133	644,440
NEW ENGLAND:		
Maine.....	167,244	86,828
New Hampshire.....	92,028	12,251
Vermont.....	86,036	78,797
Massachusetts.....	698,277	612,415
Rhode Island.....	49,167	31,948
Connecticut.....	112,110	140,343
MIDDLE ATLANTIC:		
New York.....	2,544,823	2,353,446
New Jersey.....	543,312	345,756
Pennsylvania.....	1,202,297	1,142,813
EAST NORTH CENTRAL:		
Ohio.....	1,810,864	1,678,408
Indiana.....	417,537	438,476
Illinois.....	2,756,078	1,672,882
Michigan.....	313,075	243,835
Wisconsin.....	529,207	310,258
WEST NORTH CENTRAL:		
Minnesota.....	382,882	384,916
Iowa.....	322,573	644,570
Missouri.....	462,207	831,698
North Dakota.....	43,927	71,465
South Dakota.....	29,039	37,168
Nebraska.....	117,830	163,881
Kansas.....	193,592	312,363
SOUTH ATLANTIC:		
Delaware.....	13,144	6,159
Maryland.....	190,942	545,075
District of Columbia.....	51,426	50,387
Virginia.....	316,200	311,209
West Virginia.....	152,376	132,312
North Carolina.....	232,062	141,124
South Carolina.....	323,089	248,327
Georgia.....	546,937	363,819
Florida.....	177,229	127,267
EAST SOUTH CENTRAL:		
Kentucky.....	354,744	350,373
Tennessee.....	741,409	461,554
Alabama.....	671,030	446,214
Mississippi.....	256,230	197,676
WEST SOUTH CENTRAL:		
Arkansas.....	511,220	597,574
Louisiana.....	1,090,660	1,064,660
Oklahoma.....	282,106	301,392
Texas.....	1,226,964	1,545,090
MOUNTAIN:		
Montana.....	52,984	67,462
Idaho.....	143,081	151,829
Wyoming.....	23,036	36,208
Colorado.....	108,884	215,635
New Mexico.....	105,643	118,559
Arizona.....	47,891	42,788
Utah.....	124,039	141,372
Nevada.....	3,974	21,821
PACIFIC:		
Washington.....	187,503	175,140
Oregon.....	60,282	91,023
California.....	322,348	378,277

COMMERCIAL STOCKS OF MOLASSES NOT INCLUDING RETAIL STOCKS.

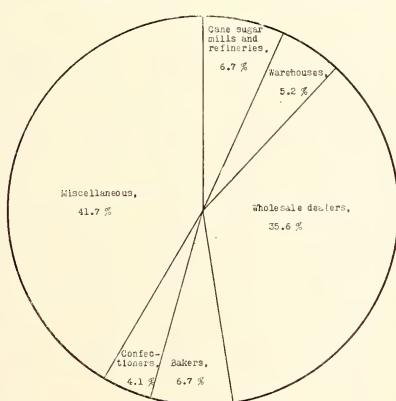
The commercial stocks of molasses, together with the quantities in transit, as reported in the Food Survey of July 1, 1918, by all classes of commercial concerns with the exception of retail dealers, amounted to 19,669,839 gallons. Of this amount, 19,085,401 gallons were reported as stocks on hand and 584,438 gallons as in transit. Of the stocks on hand, the cane sugar mills and refineries held 6.7 per cent; the warehouses, 5.2 per cent; the wholesale dealers, 35.6 per cent; the bakers, 6.7 per cent; the confectioners (manufacturing and wholesale), 4.1 per cent; and a miscellaneous group of firms, 41.7 per cent. The greater part of the stocks shown for the miscellaneous group were held by a small number of firms engaged in canning molasses. The stocks actually reported as on hand are shown, by classes of concerns, in the first column of Table 10, and the quantities in transit in the last column. The relative stocks of molasses reported by the classes of concerns above enumerated are shown in graphic form in Diagram 7.

The number of schedules received and tabulated for molasses is shown, by classes of business, in Table 11.

Table 10.—Stocks of molasses reported for July 1, 1918, by manufacturers, storage houses, and wholesale dealers, with comparative figures for July 1, 1917—United States totals.

CLASS OF BUSINESS.	Total stocks reported as on hand July 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.		
Total.....	Gallons. 19,085,401	Gallons. 17,535,711	192.3	Gallons. 9,117,420	Gallons. 584,438
Cane sugar mills and refineries.....	1,288,359	979,009	156.0	627,732	15,976
Warehouses.....	984,080	678,058	122.8	552,008	60
Wholesale dealers.....	6,797,971	6,059,437	140.5	4,312,726	297,012
<i>Wholesale grocers.....</i>	<i>4,301,289</i>	<i>3,664,744</i>	<i>123.5</i>	<i>2,967,550</i>	<i>159,422</i>
<i>Other wholesale dealers.....</i>	<i>2,496,682</i>	<i>2,394,693</i>	<i>178.0</i>	<i>1,345,176</i>	<i>137,590</i>
Bakers.....	1,275,155	1,222,746	135.7	900,938	442
Confectioners.....	780,072	756,538	204.0	257,364	23,757
Miscellaneous.....	7,959,764	7,839,923	317.8	2,466,652	247,191
<i>Canners.....</i>	<i>5,550,315</i>	<i>5,549,563</i>	<i>385.0</i>	<i>1,441,304</i>	<i>142,729</i>
<i>Manufacturers of preserves.....</i>	<i>436,250</i>	<i>433,531</i>	<i>255.5</i>	<i>169,713</i>	<i>13,345</i>
<i>Other miscellaneous.....</i>	<i>1,973,199</i>	<i>1,856,829</i>	<i>217.0</i>	<i>855,635</i>	<i>91,117</i>

Diagram 7.—Distribution of Total Stocks of Molasses Reported for July 1, 1918, by Manufacturers, Storage Houses, and Wholesale Dealers.



STOCKS REPORTED (gallons)	
TOTAL	19,085,401
Cane sugar mills and refineries	1,288,359
Warehouses	984,080
Wholesale dealers	6,797,971
Bakers	1,275,155
Confectioners	780,072
Miscellaneous	7,959,764

Table 11.—Number of firms (manufacturers, storage houses, and wholesale dealers) reporting molasses.

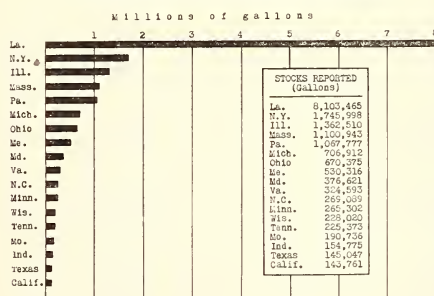
CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	6,262	4,744
Cane sugar mills and refineries.....	21	16
Warehouses.....	91	45
Wholesale dealers.....	2,668	2,057
Wholesale grocers.....	2,311	1,300
Other wholesale dealers.....	357	227
Bakers.....	2,748	2,063
Confectioners.....	517	400
Miscellaneous.....	217	154
Canners.....	24	24
Manufacturers of preserves.....	17	13
Other miscellaneous.....	172	117

Geographic Distribution of Stocks Reported.

The geographic distribution of the commercial holdings of molasses, as reported in the Survey, is shown in Table 12. The West South Central division, it will be noticed, far outranked all others in stocks of this commodity reported, 43.4 per cent of the total stocks being reported from this group of states. The East North Central division ranked second and the Middle Atlantic division third. Turning to the figures for individual states, it will be seen that the state of Louisiana reported nearly 98 per cent of the stocks of the West South Central division, or more than two-fifths of the molasses reported for the entire country. The state of New York ranked second in commercial holdings of molasses reported, with Illinois third, Massachusetts fourth, and Pennsylvania fifth. The stocks of this commodity reported for the eighteen most important states are shown in graphic form in Diagram 8.

The quantity of molasses reported as in transit is shown by geographic divisions and states in the last column of Table 12.

Diagram 8.—Stocks of Molasses Reported by Manufacturers, Storage Houses, and Wholesale Dealers for the Eighteen Most Important States.



Comparative Figures for 1918 and 1917.

More than nine-tenths of the returns, based on the quantities reported, gave information for July 1, 1917, as well as for July 1, 1918. Comparative figures based on these two-year reports are given by classes of firms in Table 10, and by geographic divisions and states in Table 13. These figures indicate a considerable increase in the commercial holdings of molasses on the date of the Survey as compared with the stocks held one year earlier by all classes of concerns here considered. The total stocks on July 1, 1918, were 92.3 per cent larger than the corresponding stocks on July 1, 1917. The relative stocks on the two dates are shown in graphic form, for each class of firms except the miscellaneous group, in Diagram 9.

Table 12.—Stocks of molasses reported for July 1, 1918, by manufacturers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	Total stocks reported as on hand July 1, 1918.	Cane sugar mills and refineries.	Ware-houses.	WHOLESALE DEALERS.			Bakers.	Confectioners.	Miscellaneous.	Quantity reported as in transit on July 1, 1918.
				Total.	Wholesale grocers.	Other wholesale dealers.				
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.
United States.....	19,085,401	1,288,359	984,080	6,797,971	4,301,289	2,496,682	1,275,155	780,072	7,959,764	584,438
GEOGRAPHIC DIVISIONS:										
New England.....	1,911,498	-----	90,042	1,668,913	1,047,826	621,087	87,558	38,876	26,103	18,011
Middle Atlantic.....	2,886,613	10,693	101,240	1,724,316	847,626	876,690	401,298	74,813	574,253	87,524
East North Central.....	3,122,592	-----	136,053	900,535	783,935	116,600	368,649	610,969	1,196,386	144,776
West North Central.....	713,990	-----	68,182	423,412	366,025	57,387	148,074	31,334	42,988	34,618
South Atlantic.....	1,300,953	-----	184,957	759,266	670,542	88,724	79,379	14,292	263,059	15,079
East South Central.....	353,288	-----	-----	148,515	144,079	4,436	18,241	1,942	184,590	12,090
West South Central.....	8,296,999	1,277,666	387,889	879,515	169,246	710,269	26,639	1,661	5,723,629	267,221
Mountain.....	258,119	-----	5,319	156,997	141,066	9,931	97,899	3,349	555	1,576
Pacific.....	241,349	-----	10,398	142,502	130,944	11,558	47,418	2,836	38,195	3,543
NEW ENGLAND:										
Maine.....	530,316	-----	5,820	509,210	500,566	8,644	2,227	1,747	11,312	4,696
New Hampshire.....	57,861	-----	-----	55,241	46,951	8,290	2,500	90	30	923
Vermont.....	25,796	-----	-----	23,998	20,795	3,203	1,318	325	155	2
Massachusetts.....	1,100,943	-----	63,606	921,504	331,020	590,484	69,526	35,557	10,750	11,780
Rhode Island.....	133,075	-----	16,962	111,826	103,387	8,439	3,439	797	51	305
Connecticut.....	63,507	-----	3,654	47,134	45,107	2,027	8,548	360	3,811	300
MIDDLE ATLANTIC:										
New York.....	1,745,998	-----	21,351	1,219,069	592,201	716,868	298,166	48,107	159,305	41,204
New Jersey.....	154,775	-----	32,060	31,970	22,566	6,004	6,004	1,640	1,144	47
Pennsylvania.....	1,067,777	10,693	47,839	473,277	320,069	153,208	97,098	25,066	413,804	46,273
EAST NORTH CENTRAL:										
Ohio.....	670,375	-----	31,033	304,889	242,861	62,028	63,383	8,407	262,663	21,355
Indiana.....	154,775	-----	2,050	42,200	32,399	12,301	47,003	408	60,114	1,260
Illinois.....	1,362,510	-----	92,822	115,111	93,171	21,940	148,279	594,803	411,495	43,686
Michigan.....	705,912	-----	60	277,530	264,525	13,005	61,587	1,126	366,609	8,069
Wisconsin.....	228,020	-----	10,088	157,805	150,479	7,326	48,397	6,225	5,505	70,406
WEST NORTH CENTRAL:										
Minnesota.....	265,302	-----	17,380	200,242	196,142	4,100	21,791	1,177	24,712	32,105
Iowa.....	95,550	-----	3,400	53,135	26,026	27,109	37,953	1,052	10	1,144
Missouri.....	190,736	-----	42,266	33,607	19,071	14,536	79,238	28,443	7,182	173
North Dakota.....	44,097	-----	43,156	42,485	671	852	75	14	1,038	-----
South Dakota.....	30,372	-----	29,329	29,236	93	873	170	-----	-----	62
Nebraska.....	19,725	-----	240	14,930	12,098	2,832	4,224	331	-----	62
Kansas.....	68,208	-----	4,896	49,013	40,967	8,046	3,143	86	11,070	96
SOUTH ATLANTIC:										
Delaware.....	3,249	-----	-----	2,953	2,953	18	291	5	-----	40
Maryland.....	376,621	-----	123,660	93,748	93,108	640	50,510	13,834	94,869	6,942
District of Columbia.....	113,782	-----	8,125	10,441	10,441	-----	15,194	7	80,015	-----
Virginia.....	324,593	-----	51,562	225,802	208,386	17,416	7,513	138	39,578	4,194
West Virginia.....	42,272	-----	40,529	40,339	190	1,465	278	-----	315	-----
North Carolina.....	269,089	-----	-----	261,539	204,105	57,434	260	-----	7,290	1,749
South Carolina.....	45,558	-----	45,476	45,476	-----	-----	42	-----	20	100
Georgia.....	114,489	-----	1,610	69,827	56,801	13,026	1,735	30	41,287	1,584
Florida.....	11,300	-----	-----	8,951	8,951	-----	2,349	-----	-----	155
EAST SOUTH CENTRAL:										
Kentucky.....	66,804	-----	-----	12,055	9,986	2,069	4,973	1,229	48,547	5,250
Tennessee.....	225,373	-----	-----	103,246	101,790	1,456	4,650	614	116,863	6,790
Alabama.....	32,992	-----	-----	14,321	13,905	416	8,192	99	10,380	50
Mississippi.....	28,119	-----	-----	18,893	18,398	495	426	-----	8,800	-----
WEST SOUTH CENTRAL:										
Arkansas.....	32,773	-----	-----	30,653	30,438	215	1,875	245	-----	-----
Louisiana.....	8,103,465	1,225,796	387,724	756,726	49,342	707,384	8,614	1,204	5,723,401	264,546
Oklahoma.....	15,714	-----	165	6,587	6,124	463	8,834	20	108	15
Texas.....	145,047	51,870	-----	85,549	83,342	2,207	7,316	192	120	2,660
MOUNTAIN:										
Montana.....	23,724	-----	141	13,708	13,166	542	9,813	62	-----	98
Idaho.....	26,588	-----	-----	26,189	25,997	192	336	63	-----	16
Wyoming.....	3,429	-----	-----	3,111	3,111	-----	418	-----	-----	10
Colorado.....	85,290	-----	2,270	69,586	61,483	8,103	12,422	447	555	917
New Mexico.....	11,151	-----	-----	10,949	10,949	-----	192	10	-----	500
Arizona.....	14,796	-----	-----	14,514	14,331	183	262	20	-----	5
Utah.....	92,882	-----	2,908	12,761	11,850	911	74,466	2,747	-----	30
Nevada.....	269	-----	-----	179	179	-----	90	-----	-----	-----
PACIFIC:										
Washington.....	66,443	-----	500	47,830	40,534	7,296	9,490	347	8,276	568
Oregon.....	31,145	-----	-----	16,781	16,206	575	6,598	197	7,569	165
California.....	143,716	-----	9,898	77,891	74,204	3,687	31,330	2,292	22,350	2,810

DIAGRAM 9.—STOCKS OF MOLASSES REPORTED FOR JULY 1, 1918, AND JULY 1, 1917, BY IMPORTANT CLASSES OF BUSINESS.

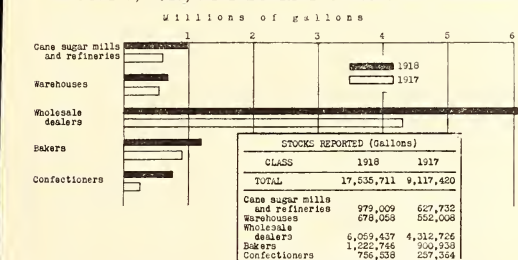


Table 13.—Comparative figures for molasses—combined stocks of manufacturers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	Stocks reported for July 1, 1918.	Stocks reported for July 1, 1917.
	Gallons.	Gallons.
United States.....	17,535,711	9,117,420
GEOGRAPHIC DIVISIONS:		
New England.....	1,062,998	1,165,362
Middle Atlantic.....	2,649,867	1,757,290
East North Central.....	2,913,096	1,487,278
West North Central.....	650,349	481,374
South Atlantic.....	908,613	696,521
East South Central.....	344,265	321,707
West South Central.....	7,962,074	2,697,180
Mountain.....	237,396	173,001
Pacific.....	215,153	337,707
NEW ENGLAND:		
Maine.....	499,406	288,300
New Hampshire.....	41,751	30,214
Vermont.....	8,918	8,026
Massachusetts.....	959,189	752,654
Rhode Island.....	107,065	40,599
Connecticut.....	46,669	45,569
MIDDLE ATLANTIC:		
New York.....	1,631,911	1,010,293
New Jersey.....	21,583	19,377
Pennsylvania.....	987,373	727,620
EAST NORTH CENTRAL:		
Ohio.....	622,928	413,600
Indiana.....	137,136	127,311
Illinois.....	1,321,064	549,898
Michigan.....	671,714	285,981
Wisconsin.....	160,254	145,488
WEST NORTH CENTRAL:		
Minnesota.....	240,143	189,036
Iowa.....	87,243	62,883
Missouri.....	182,858	130,053
North Dakota.....	39,189	22,152
South Dakota.....	25,965	11,194
Nebraska.....	17,609	28,506
Kansas.....	57,342	37,550
SOUTH ATLANTIC:		
Delaware.....	2,885	3,011
Maryland.....	228,312	192,076
District of Columbia.....	109,671	18,752
Virginia.....	199,853	171,745
West Virginia.....	24,161	17,551
North Carolina.....	203,217	187,588
South Carolina.....	33,941	33,699
Georgia.....	96,350	64,942
Florida.....	10,223	7,157
EAST SOUTH CENTRAL:		
Kentucky.....	66,473	99,562
Tennessee.....	223,752	140,800
Alabama.....	29,682	15,140
Mississippi.....	24,358	66,205
WEST SOUTH CENTRAL:		
Arkansas.....	24,814	18,961
Louisiana.....	7,780,318	2,497,537
Oklahoma.....	14,035	10,672
Texas.....	142,907	170,010
MOUNTAIN:		
Montana.....	17,653	19,781
Idaho.....	26,525	27,065
Wyoming.....	2,890	2,442
Colorado.....	81,848	68,881
New Mexico.....	9,516	7,637
Arizona.....	8,989	3,799
Utah.....	89,746	43,089
Nevada.....	229	307
PACIFIC:		
Washington.....	59,275	65,290
Oregon.....	29,827	29,924
California.....	126,051	243,493

COMMERCIAL STOCKS OF HONEY

NOT INCLUDING RETAIL STOCKS.

The commercial stocks of honey, together with the quantities in transit, as reported in the Food Survey of July 1, 1918, by business concerns other than retail dealers, amounted to 4,976,272 pounds. Of this amount, 4,617,498 pounds were reported as stocks on hand and 358,774 pounds as in transit. Of the stocks reported as on hand, the warehouses held 16.2 per cent; the wholesale dealers, 50.4 per cent; the bakers, 10.5 per cent; the confectioners, 6.8 per cent; and a miscellaneous group of concerns, 16.1 per cent. The holdings reported by each class of business concerns are shown in the first column of Table 14, and the quantity reported as in transit in the last column of Table 14, and the quantity reported as in transit in the last column. The relative stocks reported by the several classes are represented in graphic form in Diagram 10.

The number of reports received and tabulated for honey is shown, by classes of business, in Table 16.

Table 14.—Stocks of honey reported for July 1, 1918, by storage houses, wholesale dealers, and manufacturers, with comparative figures for July 1, 1917—United States totals.

CLASS OF BUSINESS.	Total stocks reported as on hand July 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.		
Total-----	Pounds. 4,617,498	Pounds. 2,925,185	98.8	Pounds. 2,961,782	Pounds. 358,774
Warehouses-----	750,251	320,617	186.6	171,788	29,040
Wholesale dealers-----	2,328,277	1,571,711	95.9	1,639,247	183,777
<i>Wholesale grocers-----</i>	<i>1,186,820</i>	<i>1,022,099</i>	<i>92.6</i>	<i>1,404,163</i>	<i>12,527</i>
<i>Other wholesale dealers-----</i>	<i>1,141,457</i>	<i>549,612</i>	<i>102.7</i>	<i>535,084</i>	<i>171,250</i>
Bakers-----	483,241	465,787	82.3	565,890	1,250
Confectioners-----	313,330	242,591	261.0	92,951	-----
Miscellaneous-----	742,399	324,479	66.0	491,906	144,707

DIAGRAM 10.—DISTRIBUTION OF TOTAL STOCKS OF HONEY REPORTED FOR JULY 1, 1918, BY STORAGE HOUSES, WHOLESALE DEALERS, AND MANUFACTURERS.

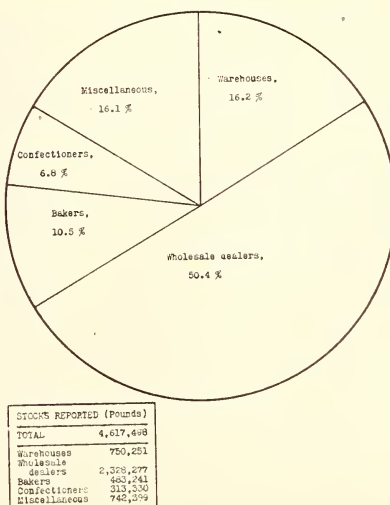


Table 15.—Stocks of honey reported for July 1, 1918, by storage houses, wholesale dealers, and manufacturers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	Total stocks reported as on hand July 1, 1918.	Ware-houses.	WHOLESALE DEALERS.			Bakers.	Confectioners.	Miscellaneous.	Quantity reported as in transit on July 1, 1918.
			Total.	Wholesale grocers.	Other wholesale dealers.				
United States	Pounds. 4,617,498	Pounds. 750,251	Pounds. 2,328,277	Pounds. 1,186,820	Pounds. 1,141,457	Pounds. 483,241	Pounds. 313,330	Pounds. 742,399	Pounds. 358,774
GEOGRAPHIC DIVISIONS:									
New England	315,420	39,654	131,391	108,014	23,377	16,139	103,445	24,791	162
Middle Atlantic	2,064,441	547,349	929,862	269,370	660,592	142,840	95,201	349,129	4,600
East North Central	729,314	17,805	441,555	247,976	193,579	36,967	37,324	195,663	3,681
West North Central	416,461	38,452	151,824	98,967	52,857	211,663	11,316	3,206	1,664
South Atlantic	122,852	50	96,382	92,466	3,916	4,578	21,713	229	1,089
East South Central	51,362		36,704	25,343	5,361	23,302	40	316	84
West South Central	205,406	3,000	100,715	175,519	15,196	9,886	1,345	460	1,513
Mountain	191,633	24,067	134,339	117,165	17,174	4,923	24,344	3,960	29,675
Pacific	517,509	79,874	221,505	52,100	169,405	32,943	18,542	164,645	316,306
NEW ENGLAND:									
Maine	9,147		6,325	5,143	1,182	2,122	450	250	30
New Hampshire	6,487		5,937	5,232	705		550		21
Vermont	6,796		4,436	2,436	2,000	500	1,860		
Massachusetts	259,094	32,340	89,149	71,749	17,400	13,400	100,055	24,141	101
Rhode Island	20,414	7,314	12,530	10,685	1,845	50	530		10
Connecticut	13,482		13,024	12,769	255	58		400	
MIDDLE ATLANTIC:									
New York	1,612,564	540,824	650,663	153,692	496,971	76,022	79,432	265,623	3,758
New Jersey	21,018	1,200	8,271	8,153	118	955	3,732	6,860	
Pennsylvania	430,839	5,325	270,928	107,425	163,503	65,863	12,097	76,646	842
EAST NORTH CENTRAL:									
Ohio	368,816	80	218,855	98,311	120,544	3,461	1,473	144,947	1,892
Indiana	34,778		14,399	7,779	6,620	14,799	660	4,920	75
Illinois	219,162	17,725	152,010	90,079	61,931	2,408	10,322	36,607	1,529
Michigan	42,781		36,171	33,199	2,972	4,315	490	1,805	135
Wisconsin	63,777		20,120	18,608	1,512	11,894	24,379	7,384	50
WEST NORTH CENTRAL:									
Minnesota	56,248	6,700	42,129	22,335	19,794	4,405	813	2,201	848
Iowa	82,559	3,552	9,835	6,882	2,953	67,137	1,940	95	150
Missouri	193,012	28,200	50,621	37,404	13,217	12,875	1,266	50	340
North Dakota	3,014		2,884	2,884			110	20	32
South Dakota	3,750		3,053	2,924	129		697		
Nebraska	35,921		9,175	8,638	537	26,746			44
Kansas	41,957		34,127	17,900	16,227	500	6,490	840	250
SOUTH ATLANTIC:									
Delaware	370		300	300		70			10
Maryland	23,332		6,449	4,589	1,860		16,880	3	
District of Columbia	2,812	50	2,762	2,762					
Virginia	14,707		7,542	7,542		3,119	4,046		81
West Virginia	18,757		18,577	17,116	1,461	50	130		145
North Carolina	5,909		5,879	5,705	174	30			824
South Carolina	1,505		1,430	1,430			75		
Georgia	10,833		8,810	8,489	321	1,215	582	226	29
Florida	44,727		44,633	44,533	100	94			29
EAST SOUTH CENTRAL:									
Kentucky	26,725		12,295	9,363	2,932	14,114		316	
Tennessee	18,330		9,720	8,732	988	8,570	40		84
Alabama	8,631		8,563	7,122	1,441				
Mississippi	676		126	126		550			
WEST SOUTH CENTRAL:									
Arkansas	50,148		50,148	50,148					60
Louisiana	10,189	3,000	2,361	2,361		3,928	500	400	43
Oklahoma	102,527		97,469	96,937	532	5,058			1,290
Texas	42,542		40,737	26,073	14,664	900	845	60	120
MOUNTAIN:									
Montana	9,413		8,757	8,685	72	656			25
Idaho	33,827		33,302	29,722	3,580	140	85	300	200
Wyoming	2,117		2,117	2,117					
Colorado	62,008	2,600	43,552	31,171	12,381	3,267	9,499	3,180	50
New Mexico	4,108	72	4,036	4,036					
Arizona	38,243	21,395	12,168	11,759	409	200	4,000	480	29,400
Utah	41,827		30,407	29,675	732	660	10,760		
Nevada									
PACIFIC:									
Washington	22,374	40	14,816	8,779	6,037	1,925	996	4,597	250
Oregon	59,720		12,227	8,865	3,362	2,772	48	44,673	1,334
California	435,415	79,834	194,462	34,456	160,006	28,246	17,498	115,375	314,722

Table 16.—Number of firms (storage houses, wholesale dealers, and manufacturers) reporting honey.

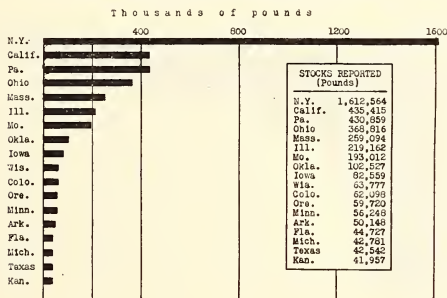
CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	2,523	1,999
Warehouses	42	27
Wholesale dealers	1,843	1,486
Wholesaler grocers	1,591	1,381
Other wholesale dealers	252	205
Bakers	351	277
Confectioners	182	137
Miscellaneous	105	72

Geographic Distribution of Stocks Reported.

The geographic distribution of the commercial holdings of honey, as reported by the classes of concerns here considered, is shown in Table 15. More than 2,000,000 pounds, or nearly 45 per cent of the total stocks reported as on hand, were found in the states of the Middle Atlantic division. The East North Central division ranked second in stocks reported, the Pacific division third, and the West North Central division fourth. Turning to the individual states, it will be noticed that New York alone reported 1,612,564 pounds, or considerably more than one-third of the total reported for the entire country. California ranked second in stocks reported, Pennsylvania third, Ohio fourth, and Massachusetts fifth. The stocks of honey reported for the eighteen most important states are shown graphically in Diagram 11.

The quantity of honey reported as in transit is shown by geographic divisions and states in the last column of Table 15.

DIAGRAM 11.—STOCKS OF HONEY REPORTED BY STORAGE HOUSES, WHOLESALE DEALERS, AND MANUFACTURERS FOR THE EIGHTEEN MOST IMPORTANT STATES.



Comparative Figures for 1918 and 1917.

Nearly two-thirds of the returns, based on the quantity reported, gave information for July 1, 1917, as well as for July 1, 1918. Comparative figures based on these two-year returns are given by classes of concerns in Table 14, and by geographic divisions and states in Table 17. The figures indicate that the holdings of the warehouses and the confectioners were larger on the date of the Survey than they were one year earlier. The holdings of the other class of firms, however, including the wholesale dealers as a group, were smaller on the date of the Survey than they were a year earlier. The total commercial stocks on July 1, 1918, as reported by all classes of concerns here considered, were 1.2 per cent smaller than the stocks held by the same firms on July 1, 1917. The relative stocks on the two dates are represented in graphic form, for warehouses, wholesale dealers, bakers, and confectioners, in Diagram 12.

DIAGRAM 12.—STOCKS OF HONEY REPORTED FOR JULY 1, 1918, AND JULY 1, 1917, BY IMPORTANT CLASSES OF BUSINESS.

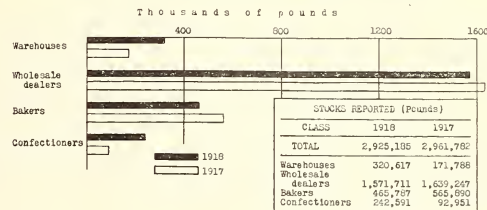


Table 17.—Comparative figures for honey—combined stocks of storage houses, wholesale dealers, and manufacturers, by geographic divisions and states.

Geographic Division and State.	Stocks reported for July 1, 1918.	Stocks reported for July 1, 1917.
United States	Pounds. 2,925,195	Pounds. 2,961,782
Geographic Divisions:		
New England	237,036	150,528
Middle Atlantic	1,033,685	747,173
East North Central	421,724	442,785
West North Central	375,888	431,506
South Atlantic	106,140	170,924
East South Central	49,586	50,476
West South Central	164,403	257,336
Mountain	152,009	182,262
Pacific	384,714	519,492
New England:		
Maine	6,654	8,459
New Hampshire	5,098	5,838
Vermont	1,976	1,445
Massachusetts	207,876	128,574
Rhode Island	8,600	3,352
Connecticut	6,832	5,860
Middle Atlantic:		
New York	601,311	339,840
New Jersey	16,962	21,240
Pennsylvania	415,412	386,093
East North Central:		
Ohio	101,911	134,127
Indiana	33,065	48,949
Illinois	209,123	169,407
Michigan	38,814	54,141
Wisconsin	38,811	36,161
West North Central:		
Minnesota	45,425	86,021
Iowa	78,367	95,755
Missouri	180,403	140,411
North Dakota	3,014	4,847
South Dakota	3,171	3,966
Nebraska	33,262	40,791
Kansas	32,246	60,015
South Atlantic:		
Delaware	310	1,425
Maryland	21,593	19,705
District of Columbia	1,285	753
Virginia	12,687	8,137
West Virginia	13,180	12,725
North Carolina	4,902	8,020
South Carolina	803	1,412
Georgia	8,476	23,842
Florida	42,904	94,907
East South Central:		
Kentucky	25,433	34,989
Tennessee	16,843	15,593
Alabama	6,760	8,394
Mississippi	550	500
West South Central:		
Arkansas	48,000	39,611
Louisiana	5,923	138,792
Oklahoma	70,104	34,567
Texas	39,876	44,366
Mountain:		
Montana	7,550	16,557
Idaho	33,787	30,351
Wyoming	2,117	2,138
Colorado	58,241	66,106
New Mexico	788	3,015
Arizona	15,259	19,343
Utah	34,267	44,752
Nevada		
Pacific:		
Washington	21,336	106,153
Oregon	27,320	54,975
California	336,058	358,364

COMMERCIAL STOCKS OF CANDY NOT INCLUDING RETAIL STOCKS.

The commercial stocks of candy, together with the quantities in transit, as reported in the Food Survey of July 1, 1918, by business concerns other than retail dealers, amounted to 73,582,866 pounds. Of this amount, 68,876,488 pounds were reported as stocks on hand and 4,706,378 pounds as quantity in transit. Of the stocks reported as on hand, the confectioners (manufacturing and wholesale) held 64.6 per cent; the wholesale dealers, 22.6 per cent; and a miscellaneous group of firms, 12.8 per cent. The stocks reported as on hand by each of these classes of concerns are shown in the first column of Table 18, and the quantity reported as in transit in the last column. The relative stocks of the various classes of business firms are shown in graphic form in Diagram 13.

The number of schedules received and tabulated for candy is shown, by classes of business, in Table 19.

Table 18.—Stocks of candy reported for July 1, 1918, by manufacturers, storage houses, and wholesale dealers, with comparative figures for July 1, 1917—United States totals.

CLASS OF BUSINESS.	Total stocks reported as on hand July 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.				Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.		
		Quantity.	Per cent of 1917.			
Total.....	Pounds. 68,876,488	Pounds. 55,267,911	103.4	Pounds. 53,428,504	Pounds. 4,706,378	
Confectioners.....	44,509,217	37,311,759	98.6	37,853,818	4,236,564	
Wholesale dealers.....	15,544,538	12,927,880	106.4	12,151,039	262,202	
<i>Wholesale grocers.....</i>	<i>13,796,616</i>	<i>11,286,700</i>	<i>104.1</i>	<i>10,845,004</i>	<i>215,572</i>	
<i>Other wholesale dealers.....</i>	<i>1,747,922</i>	<i>1,641,180</i>	<i>125.7</i>	<i>1,306,035</i>	<i>46,630</i>	
Miscellaneous.....	8,822,733	5,028,272	146.9	3,423,647	207,612	
<i>Bakers.....</i>	<i>2,211,499</i>	<i>2,141,880</i>	<i>93.4</i>	<i>2,293,433</i>	<i>147,472</i>	
<i>Other miscellaneous</i>	<i>6,611,234</i>	<i>2,886,392</i>	<i>255.4</i>	<i>1,130,214</i>	<i>60,140</i>	

Diagram 13.—Distribution of Total Stocks of Candy Reported for July 1, 1918, by Manufacturers and Wholesale Dealers.

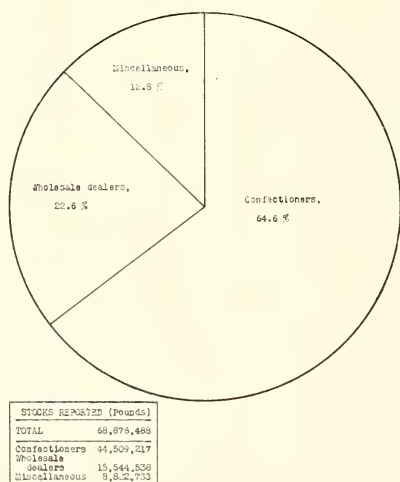


Table 19.—Number of firms (manufacturers, storage houses, and wholesale dealers) reporting candy.

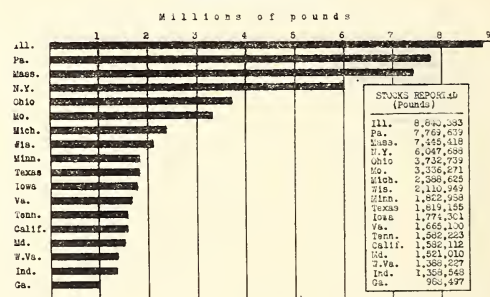
CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total.....	5,917	4,574
Confectioners.....	1,695	1,301
Wholesale dealers.....	3,172	2,558
Wholesale grocers.....	2,806	2,363
Other wholesale dealers.....	366	295
Miscellaneous.....	1,050	712
Bakers.....	744	517
Other miscellaneous.....	306	195

Geographic Distribution of Stocks Reported.

The geographic distribution of the commercial supply of candy as reported in the Survey is shown in Table 20. As indicated by the table, the East North Central division ranked first in stocks of candy reported and the Middle Atlantic division second. These two divisions together reported considerably more than one-half of the stocks of the entire country. The New England division ranked third, the West North Central division fourth, and the South Atlantic division fifth. Among the individual states, Illinois ranked first, Pennsylvania second, Massachusetts third, and New York fourth. The stocks of candy reported for the eighteen most important states by the classes of concerns here considered are shown in graphic form in Diagram 14.

The quantity of candy reported as in transit is shown by geographic divisions and states in the last column of Table 20.

Diagram 14.—Stocks of Candy Reported by Manufacturers and Wholesale Dealers for the Eighteen Most Important States.



Comparative Figures for 1918 and 1917.

About four-fifths of the returns, based on the quantity reported, gave information for July 1, 1917, as well as for July 1, 1918. Comparative figures based on these two-year schedules are given by classes of business in Table 18, and by geographic divisions and states in Table 21. The figures indicate that while the stocks of the confectioners were slightly smaller on the date of the Survey than on July 1, 1917, the holdings of the wholesale dealers as well as those of the miscellaneous group of firms showed an increase. The total stocks reported for July 1, 1918, were 3.4 per cent larger than the corresponding stocks on July 1, 1917. The relative stocks on the two dates are represented graphically for confectioners and wholesale dealers in Diagram 15.

Table 20.—Stocks of candy reported for July 1, 1918, by manufacturers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE:	Total stocks reported as on hand July 1, 1918.	Confectioners.	WHOLESALE DEALERS.			Miscellaneous.	Quantity reported as in transit on July 1, 1918.
			Total.	Wholesale grocers.	Other wholesale dealers.		
United States	Pounds. 68,876,488	Pounds. 44,509,217	Pounds. 15,544,538	Pounds. 13,796,616	Pounds. 1,747,922	Pounds. 8,822,733	Pounds. 4,706,378
GEOGRAPHIC DIVISIONS:							
New England	8,928,616	6,710,865	736,172	708,310	27,862	1,481,579	897,038
Middle Atlantic	14,500,386	11,921,043	1,329,649	1,092,692	236,957	1,339,694	1,246,824
East North Central	18,431,244	12,614,276	3,301,427	3,170,372	131,055	2,515,541	1,357,376
West North Central	8,886,527	5,139,646	2,473,428	2,149,711	323,717	1,273,453	310,599
South Atlantic	6,947,900	3,435,332	2,751,426	2,512,107	239,319	760,542	399,831
East South Central	3,418,500	1,497,339	1,854,149	1,621,356	232,793	67,082	307,193
West South Central	3,287,401	785,513	2,030,949	1,635,353	395,574	470,939	61,481
Mountain	1,749,572	884,767	699,192	580,187	119,009	165,613	43,025
Pacific	2,636,852	1,520,416	368,146	326,510	41,636	748,290	53,011
NEW ENGLAND:							
Maine	397,383	163,032	176,341	157,418	18,923	58,010	4,711
New Hampshire	162,092	70,602	75,860	75,860	—	15,630	4,232
Vermont	165,027	153,720	10,757	10,526	231	550	1,000
Massachusetts	7,445,418	5,682,913	359,793	357,264	2,499	1,402,742	885,555
Rhode Island	330,670	324,421	6,102	1,403	4,499	147	—
Connecticut	428,026	316,177	107,349	105,639	1,710	4,500	1,540
MIDDLE ATLANTIC:							
New York	6,047,688	4,049,188	504,628	321,118	183,508	593,874	705,676
New Jersey	773,050	537,775	40,380	7,032	33,348	194,904	7,636
Pennsylvania	7,769,639	6,434,080	784,643	764,542	20,101	550,916	533,512
EAST NORTH CENTRAL:							
Ohio	3,732,730	2,406,126	1,061,948	1,056,796	5,240	264,667	162,626
Indiana	1,338,548	815,577	465,203	455,933	9,270	77,768	28,494
Illinois	8,840,383	6,197,788	980,055	941,334	38,721	1,662,540	661,539
Michigan	2,388,625	1,748,577	561,686	499,204	62,482	78,362	295,599
Wisconsin	2,110,949	1,446,208	232,537	217,195	15,342	432,204	209,088
WEST NORTH CENTRAL:							
Minnesota	1,822,988	1,363,655	409,598	374,005	35,593	49,735	43,299
Iowa	1,774,301	805,325	650,792	539,888	110,904	318,184	110,831
Missouri	3,336,271	1,916,997	741,422	722,319	10,103	677,852	102,329
North Dakota	240,437	171,590	169,734	167,623	62,111	5,113	15,540
South Dakota	267,800	184,295	83,545	66,324	17,221	40	5,250
Nebraska	836,986	534,375	197,680	131,025	66,655	104,931	24,701
Kansas	601,654	263,409	220,657	208,527	12,130	117,588	8,649
SOUTH ATLANTIC:							
Delaware	130,029	128,500	1,064	1,064	—	465	5,000
Maryland	1,521,010	1,270,750	123,640	66,575	57,065	126,620	129,692
District of Columbia	121,665	118,659	2,331	2,331	—	675	—
Virginia	1,665,100	578,834	783,097	774,048	9,049	303,169	57,684
West Virginia	1,388,227	895,714	487,993	487,593	400	4,520	25,436
North Carolina	716,849	155,401	556,683	513,163	43,520	4,765	18,587
South Carolina	292,071	110,886	181,185	170,569	10,616	—	1,954
Georgia	988,497	96,340	575,200	459,031	116,169	316,957	44,253
Florida	123,852	80,248	40,233	37,733	2,500	3,371	57,225
EAST SOUTH CENTRAL:							
Kentucky	835,782	327,642	506,120	424,591	81,529	2,020	209,524
Tennessee	1,582,223	1,013,957	566,664	561,744	4,920	1,602	131,849
Alabama	738,901	67,093	608,803	471,609	137,194	63,005	55,560
Mississippi	261,684	88,667	172,562	163,412	9,150	455	170
WEST SOUTH CENTRAL:							
Arkansas	454,092	108,000	345,644	271,315	74,329	448	1,578
Louisiana	538,030	162,377	227,424	210,969	16,455	118,229	2,972
Oklahoma	476,124	337,760	349,852	240,591	109,261	92,593	11,263
Texas	1,819,155	481,367	1,108,029	912,500	195,529	229,759	45,608
MOUNTAIN:							
Montana	245,888	94,729	148,824	69,433	79,391	2,335	24,706
Idaho	115,246	68,069	45,372	32,280	13,092	1,805	1,182
Wyoming	45,093	1,800	42,408	29,908	12,500	825	3,630
Colorado	834,802	506,764	236,530	231,766	4,764	91,508	10,926
New Mexico	114,760	700	112,760	111,900	800	1,360	1,357
Arizona	108,984	7,000	98,684	90,722	7,962	3,300	1,224
Utah	284,859	205,705	14,674	14,174	500	64,480	—
PACIFIC:							
Washington	736,048	347,543	144,482	131,100	13,382	244,023	4,601
Oregon	318,692	139,758	74,403	64,348	10,055	104,531	18,313
California	1,582,112	1,033,115	149,261	131,062	18,199	399,736	30,037

DIAGRAM 15.—STOCKS OF CANDY REPORTED FOR JULY 1, 1918, AND JULY 1, 1917, BY IMPORTANT CLASSES OF BUSINESS.

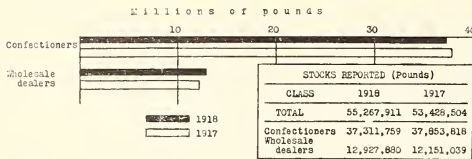


Table 21.—Comparative figures for candy—combined stocks of manufacturers, storage houses, and wholesale dealers, by geographic divisions and states.

Geographic Division and State.	Stocks reported for July 1, 1918.	Stocks reported for July 1, 1917.
United States.....	Pounds. 55,267,911	Pounds. 53,428,504
GEOGRAPHIC DIVISIONS:		
New England.....	6,300,791	5,867,985
Middle Atlantic.....	11,322,861	8,823,912
East North Central.....	15,201,488	16,273,713
West North Central.....	7,757,813	8,444,967
South Atlantic.....	5,283,323	4,218,012
East South Central.....	3,100,756	3,465,724
West South Central.....	2,739,108	2,833,002
Mountain.....	1,494,995	1,341,567
Pacific.....	2,066,776	2,159,622
NEW ENGLAND:		
Maine.....	280,862	312,738
New Hampshire.....	134,678	123,893
Vermont.....	153,590	144,830
Massachusetts.....	5,172,199	4,720,746
Rhode Island.....	273,253	272,091
Connecticut.....	286,200	293,687
MIDDLE ATLANTIC:		
New York.....	4,401,550	4,316,204
New Jersey.....	461,340	434,442
Pennsylvania.....	6,459,971	4,073,266
EAST NORTH CENTRAL:		
Ohio.....	3,291,577	3,327,020
Indiana.....	1,005,502	1,384,184
Illinois.....	7,333,749	7,940,381
Michigan.....	2,197,233	2,199,613
Wisconsin.....	1,375,427	1,422,515
WEST NORTH CENTRAL:		
Minnesota.....	1,591,437	1,646,497
Iowa.....	1,445,007	1,634,639
Missouri.....	2,966,756	3,523,706
North Dakota.....	230,049	230,087
South Dakota.....	238,907	260,174
Nebraska.....	757,551	690,901
Kansas.....	536,106	468,963
SOUTH ATLANTIC:		
Delaware.....	125,029	98,810
Maryland.....	1,047,977	927,919
District of Columbia.....	88,874	64,077
Virginia.....	1,261,268	1,864,760
West Virginia.....	1,032,316	797,740
North Carolina.....	576,171	535,156
South Carolina.....	247,732	146,524
Georgia.....	783,892	648,007
Florida.....	120,064	135,010
EAST SOUTH CENTRAL:		
Kentucky.....	769,932	1,151,420
Tennessee.....	1,438,891	1,747,018
Alabama.....	711,090	413,930
Mississippi.....	180,843	153,356
WEST SOUTH CENTRAL:		
Arkansas.....	427,355	410,811
Louisiana.....	386,440	428,668
Oklahoma.....	353,909	383,806
Texas.....	1,569,314	1,609,627
MOUNTAIN:		
Montana.....	224,319	275,359
Idaho.....	113,268	127,801
Wyoming.....	24,543	24,490
Colorado.....	772,134	559,296
New Mexico.....	73,553	67,051
Arizona.....	91,553	117,129
Utah.....	195,625	170,441
Nevada.....		
PACIFIC:		
Washington.....	668,200	614,207
Oregon.....	255,921	343,507
California.....	1,142,655	1,201,908

COMMERCIAL STOCKS OF FOOD STARCHES

NOT INCLUDING RETAIL STOCKS.

The commercial supply of food starches (including tapioca, sago, cornstarch, etc.), together with the quantities in transit, as reported in the Food Survey of July 1, 1918, by all classes of commercial concerns except retail dealers, amounted to 77,833,435 pounds. Of this amount, 62,644,968 pounds were reported as on hand and 15,188,467 pounds as in transit. Of the stocks reported as on hand, the manufacturers held 24.0 per cent; the warehouses, 10.7 per cent; the wholesale dealers, 33.9 per cent; the confectioners, 5.6 per cent, and a miscellaneous group of firms, 25.8 per cent. The stocks reported as on hand are given, by classes of business, in the first column of Table 22, and the quantity in transit is given in the last column of the same table. The relative holdings of the several classes are graphically represented in Diagram 16.

The number of schedules received and tabulated for food starches is shown, by classes of business, in Table 24.

Table 22.—Stocks of tapioca, sago, cornstarch, and other food starches reported for July 1, 1918, by manufacturers, storage houses, and wholesale dealers, with comparative figures for July 1, 1917—United States totals.

CLASS OF BUSINESS.	Total stocks reported as on hand July 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.		
Total	Pounds. 62,644,968	Pounds. 53,177,541	120.9	Pounds. 43,970,811	Pounds. 15,188,467
Manufacturers	15,040,111	14,192,824	118.1	12,015,892	11,950,658
Warehouses	6,704,518	4,766,056	50.6	9,410,672	232,506
Wholesale dealers	21,236,778	17,787,799	148.4	11,982,624	913,943
Wholesale grocers	9,246,106	7,951,469	76.4	10,406,925	222,887
Other wholesale dealers	11,990,672	9,836,330	624.3	1,575,699	691,056
Confectioners	3,538,002	3,164,863	134.2	2,359,031	24,852
Miscellaneous	16,125,559	13,265,999	161.7	8,202,592	2,066,418
Bakers	10,218,373	7,671,313	536.4	1,430,018	14,780
Cereal food manufacturers	841,041	839,358	491.4	170,796	450
Other miscellaneous	5,066,145	4,753,328	72.0	6,601,778	2,051,188

DIAGRAM 16.—DISTRIBUTION OF TOTAL STOCKS OF TAPIOCA, SAGO, CORNSTARCH, AND OTHER FOOD STARCHES REPORTED FOR JULY 1, 1918, BY MANUFACTURERS, STORAGE HOUSES, AND WHOLESALE DEALERS.

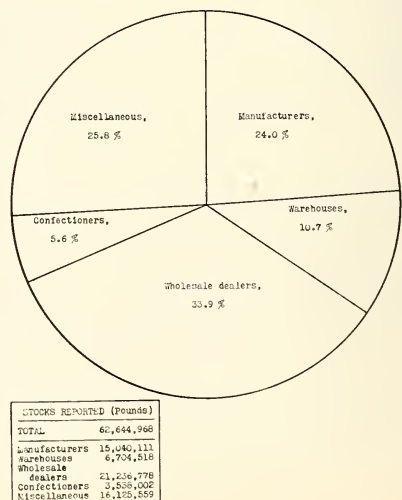


Table 23.—Stocks of tapioca, sago, cornstarch, and other food starches, reported for July 1, 1918, by manufacturers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	Total stocks reported as on hand July 1, 1918.	Manufacturers.	Warehouses.	WHOLESALE DEALERS.			Confectioners.	Miscellaneous.	Quantity reported as in transit on July 1, 1918.
				Total.	Wholesale grocers.	Other wholesale dealers.			
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
United States.....	62,644,968	15,040,111	6,704,518	21,236,778	9,246,106	11,990,672	3,538,002	16,125,559	15,188,467
GEOGRAPHIC DIVISIONS:									
New England.....	7,962,240	2,135,169	501,063	3,278,013	814,969	2,463,044	397,287	1,650,708	752,235
Middle Atlantic.....	22,599,634	2,533,882	4,190,789	9,056,533	2,017,504	7,039,029	987,639	5,810,771	2,239,948
East North Central.....	15,997,305	7,573,570	473,461	2,574,666	2,244,566	330,100	1,110,657	4,264,951	6,135,884
West North Central.....	6,542,638	2,549,206	419,493	1,455,785	1,246,641	209,144	550,901	1,567,253	5,044,637
South Atlantic.....	3,121,760	191,028	513,243	625,380	594,888	30,492	167,984	1,624,125	184,866
East South Central.....	942,772	—	—	344,063	298,944	45,119	186,019	412,690	3,384
West South Central.....	1,064,368	3,080	9,424	721,292	539,242	162,050	15,422	315,150	8,010
Mountain.....	667,717	—	23,929	468,276	449,748	18,528	20,470	155,042	10,766
Pacific.....	3,746,534	34,176	573,116	2,712,770	1,019,604	1,693,166	101,603	324,869	808,737
NEW ENGLAND:									
Maine.....	1,159,752	817,242	—	40,842	40,340	502	—	301,668	633,257
New Hampshire.....	59,185	—	—	41,080	41,080	—	—	18,105	1,240
Vermont.....	15,128	—	—	9,339	8,914	425	1,860	3,929	371
Massachusetts.....	5,733,174	801,241	501,063	3,010,698	601,346	2,409,352	390,527	1,029,645	116,791
Rhode Island.....	122,759	—	—	77,527	38,463	39,064	—	45,232	240
Connecticut.....	872,242	516,686	—	98,527	84,826	13,701	4,900	252,129	336
MIDDLE ATLANTIC:									
New York.....	16,788,061	2,237,888	2,354,769	8,246,542	1,336,039	6,910,503	436,102	3,512,760	2,200,516
New Jersey.....	3,019,885	300,448	1,305,915	196,609	141,484	55,125	2,425	1,214,488	428
Pennsylvania.....	2,791,688	15,546	530,105	613,382	539,981	73,401	549,132	1,083,523	39,004
EAST NORTH CENTRAL:									
Ohio.....	2,440,314	590,950	63,885	882,131	834,847	47,284	251,564	651,784	627,016
Indiana.....	2,607,419	2,020,684	951	217,929	217,509	420	39,647	328,208	773,264
Illinois.....	8,624,510	4,958,548	407,625	925,668	786,308	139,360	650,857	1,682,112	4,699,963
Michigan.....	1,543,164	3,388	1,000	225,084	223,357	1,727	60,030	1,253,662	7,451
Wisconsin.....	781,598	—	—	323,854	182,545	141,309	108,559	349,185	28,190
WEST NORTH CENTRAL:									
Minnesota.....	984,996	8,000	85,458	425,517	330,519	94,998	115,182	350,839	9,557
Iowa.....	3,128,898	2,540,246	32,220	266,308	260,688	5,620	52,540	237,584	5,009,303
Missouri.....	1,604,588	960	172,115	363,406	267,895	95,511	360,160	707,947	14,218
North Dakota.....	113,137	—	—	82,421	82,421	—	—	30,716	2,806
South Dakota.....	59,164	—	—	55,332	55,332	—	—	3,300	532
Nebraska.....	441,788	—	125,200	132,143	119,128	13,015	16,598	167,847	1,970
Kansas.....	210,067	—	4,500	130,658	130,658	—	3,121	71,788	6,783
SOUTH ATLANTIC:									
Delaware.....	50,675	—	—	5,833	5,833	—	100	44,742	65
Maryland.....	2,092,263	191,028	440,375	127,508	100,303	27,205	152,683	1,180,739	148,282
District of Columbia.....	149,310	—	—	30,839	30,839	—	—	118,471	—
Virginia.....	199,479	—	—	157,205	155,910	1,295	11,376	30,898	709
West Virginia.....	89,598	—	—	35,921	35,837	84	660	53,017	1,898
North Carolina.....	22,910	—	—	14,020	14,020	—	400	8,490	—
South Carolina.....	16,691	—	—	16,691	16,691	—	—	—	96
Georgia.....	261,960	—	1,768	102,914	101,086	1,828	2,765	154,513	500
Florida.....	238,774	—	71,100	134,449	134,369	80	—	33,225	33,316
EAST SOUTH CENTRAL:									
Kentucky.....	351,075	—	—	82,111	69,651	12,460	55,529	213,435	1,526
Tennessee.....	333,643	—	—	179,000	146,467	32,533	127,005	27,638	1,268
Alabama.....	231,560	—	—	62,181	62,071	110	3,485	165,894	590
Mississippi.....	26,494	—	—	20,771	20,755	16	—	5,723	—
WEST SOUTH CENTRAL:									
Arkansas.....	83,438	—	—	61,815	61,647	168	3,008	18,615	278
Louisiana.....	339,181	3,080	—	240,870	80,623	160,247	—	95,231	580
Oklahoma.....	224,171	—	480	146,192	146,192	—	100	77,399	3,807
Texas.....	417,578	—	8,944	272,415	270,780	1,635	12,314	123,905	3,845
MOUNTAIN:									
Montana.....	56,769	—	3,525	49,255	49,155	100	75	3,914	60
Idaho.....	33,631	—	—	31,881	31,436	445	—	1,750	60
Wyoming.....	13,405	—	—	13,222	13,222	—	—	183	206
Colorado.....	306,599	—	4,375	164,321	163,412	909	8,667	129,233	8,462
New Mexico.....	51,530	—	72	51,268	51,165	103	—	10	578
Arizona.....	31,307	—	—	30,191	27,855	2,336	200	916	100
Utah.....	172,634	—	15,936	126,416	111,781	14,635	11,528	18,730	1,300
Nevada.....	2,022	—	—	1,722	1,722	—	—	300	—
PACIFIC:									
Washington.....	578,682	—	294,338	142,697	117,627	25,070	3,362	138,285	10,653
Oregon.....	257,353	3,676	13,601	192,340	187,020	5,320	1,096	46,640	3,900
California.....	2,910,499	30,500	265,177	2,377,733	714,957	1,662,776	97,145	139,944	794,184

Table 24.—Number of firms (manufacturers, storage houses, and wholesale dealers) reporting tapioca, sago, cornstarch, and other food starches.

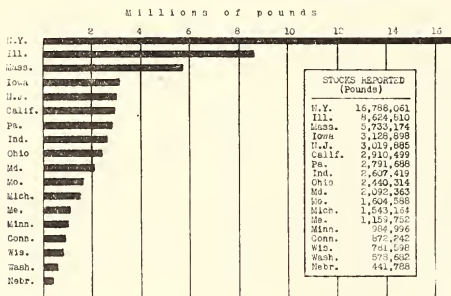
CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total.....	5,785	4,349
Manufacturers.....	26	22
Warehouses.....	100	70
Wholesale dealers.....	3,277	2,626
Whole-sale grocers.....	3,013	2,428
Other whole-sale dealers.....	264	198
Confectioners.....	320	258
Miscellaneous.....	2,052	1,373
Bakers.....	1,766	1,153
Cereal food manufacturers.....	17	13
Other miscellaneous.....	279	207

Geographic Distribution of Stocks Reported.

The geographic distribution of the commercial supply of food starches is shown in Table 23. The Middle Atlantic division, it will be noticed, ranked first among the geographic divisions in stocks reported, the East North Central division second, the New England division third, and the West North Central division fourth. The two divisions first mentioned reported, together, not far from two-thirds of the total stocks of the country. Turning to the figures for individual states, it will be seen that New York far outranked all other states in commercial stocks of food starches, while Illinois ranked second, and Massachusetts third. The stocks reported for the eighteen most important states are represented graphically in Diagram 17.

The quantities reported as in transit are shown by geographic divisions and states in the last column of Table 23.

Diagram 17.—Stocks of Tapioca, Sago, Cornstarch, and Other Food Starches Reported by Manufacturers, Storage Houses, and Wholesale Dealers for the Eighteen Most Important States.



Comparative Figures for 1918 and 1917.

About 85 per cent of the returns, based on the quantity reported, gave information for July 1, 1917, as well as for July 1, 1918. Comparative figures based on these two-year reports are given by classes of firms in Table 22, and by geographic divisions and states in Table 25. These figures indicate that, with the exception of the holdings of the warehouses, the stocks on hand on the date of the Survey were materially larger than those held by the same concerns on July 1, 1917. The warehouses show a decrease in stocks amounting to nearly 50 per cent. The total stocks on July 1, 1918, were 20.9 per cent larger than the corresponding stocks on July 1, 1917. The relative stocks of food starches on the two dates above mentioned are shown in graphic form, for manufacturers, warehouses, wholesale dealers, and confectioners, in Diagram 18.

Diagram 18.—Stocks of Tapioca, Sago, Cornstarch, and Other Food Starches Reported for July 1, 1918, and July 1, 1917, by Important Classes of Business.

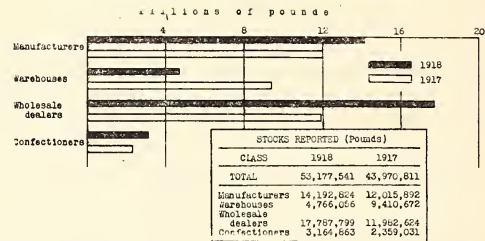


Table 25.—Comparative figures for tapioca, sago, cornstarch, and other food starches—combined stocks of manufacturers, storage houses, and wholesale dealers, by geographic divisions and states.

Geographic Division and State.	Stocks reported for July 1, 1918.	Stocks reported for July 1, 1917.
United States.....	Pounds. 53,177,541	Pounds. 43,970,811
Geographic Divisions:		
New England.....	6,081,432	2,359,399
Middle Atlantic.....	19,860,074	19,614,950
East North Central.....	14,460,295	9,839,611
West North Central.....	5,809,054	6,008,430
South Atlantic.....	2,815,620	2,645,379
East South Central.....	834,898	393,010
West South Central.....	764,067	552,947
Mountain.....	579,513	685,499
Pacific.....	1,971,628	1,869,986
New England:		
Maine.....	1,063,316	504,325
New Hampshire.....	36,826	48,799
Vermont.....	8,809	9,763
Massachusetts.....	4,258,038	986,158
Rhode Island.....	117,381	67,131
Connecticut.....	599,572	743,223
Middle Atlantic:		
New York.....	14,477,166	7,658,707
New Jersey.....	2,851,673	10,514,694
Pennsylvania.....	2,531,235	1,441,579
East North Central:		
Ohio.....	1,998,359	1,733,468
Indiana.....	2,445,683	1,987,104
Illinois.....	7,991,470	4,947,719
Michigan.....	1,469,777	798,625
Wisconsin.....	555,006	372,695
West North Central:		
Minnesota.....	923,143	922,916
Iowa.....	2,994,702	3,390,931
Missouri.....	1,286,104	1,139,996
North Dakota.....	87,320	93,116
South Dakota.....	23,516	47,915
Nebraska.....	408,964	204,026
Kansas.....	136,205	210,530
South Atlantic:		
Delaware.....	50,603	9,107
Maryland.....	2,034,352	2,280,816
District of Columbia.....	134,133	33,208
Virginia.....	93,901	71,660
West Virginia.....	20,070	47,603
North Carolina.....	16,783	19,462
South Carolina.....	9,818	7,928
Georgia.....	218,887	79,455
Florida.....	227,133	96,740
East South Central:		
Kentucky.....	325,949	126,303
Tennessee.....	288,982	213,028
Alabama.....	197,916	44,178
Mississippi.....	22,051	9,501
West South Central:		
Arkansas.....	76,927	69,134
Louisiana.....	161,343	190,827
Oklahoma.....	140,826	113,033
Texas.....	384,971	279,953
Mountain:		
Montana.....	52,304	127,821
Idaho.....	33,431	113,761
Wyoming.....	6,458	13,074
Colorado.....	286,118	236,161
New Mexico.....	25,750	23,092
Arizona.....	20,826	21,716
Utah.....	150,774	136,703
Nevada.....	1,722	3,169
Pacific:		
Washington.....	244,608	379,576
Oregon.....	220,939	286,820
California.....	1,506,081	1,203,590